



Attorney Docket No.: 3COM-T1112.CIP

2153

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Patent**

H9

In re Application of: Sherer, et al.  
Inventor(s): Paul W. Sherer, Niles E. Strohl, Richard Hausman, Glenn W. Connery,  
Richard S. Reid, James P. Rivers and Cynthia Zikmund  
Serial No.: 09/488,942  
Filed: 01/21/00  
For: PROGRAMMED I/O ETHERNET ADAPTER WITH EARLY INTERRUPTS FOR  
ACCELERATING DATA TRANSFER  
Patent No.: Issued:

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APR 20 2004

Assistant Commissioner for Patents  
Washington, D.C. 20231

Technology Center 2100

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)**

As assignee of record of the entire interest of the above identified

☒ application,  
☐ patent,

**REVOCATION OF PRIOR POWERS OF ATTORNEY**

all powers of attorney previously given are hereby revoked and

**NEW POWER OF ATTORNEY**

the following attorney(s) and/or agents(s) are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected herewith.

James P. Hao	Registration No.: 36,398
Anthony C. Murabito	Registration No.: 35,295
John P. Wagner	Registration No.: 35,398
Glenn D. Barnes	Registration No.: 42,293
Thomas M. Catale	Registration No.: 46,434
Jose S. Garcia	Registration No.: 43,628
Kenneth N. Glass	Registration No.: 42,587
Lin C. Hsu	Registration No.: 46,315
Mehlin Dean Matthews	Registration No.: 46,127
Ronald M. Pomerence	Registration No.: 43,009
John F. Ryan	Registration No.: 47,050
William A. Zarbis	Registration No.: 46,120
Matthew J. Blecher	Registration No.: 46,558
Lawrence R. Goerke	Registration No.: 45,927
Ira J. Nasserian	Registration No.: 43,856
William G. Becker	Registration No.: 24,285

Laurie J. Mintz

Registration No.: 35,957

---

SEND CORRESPONDENCE TO:

WAGNER, MURABITO & HAO LLP  
Two North Market Street  
Third Floor  
San Jose, CA 95113

DIRECT PHONE CALLS TO:

John P. Wagner  
(408) 938-9060

---

3Com Corporation

(type or print identity of assignee of entire interest)

350 Campus Drive

Marlborough, MA 01752-3064

Address

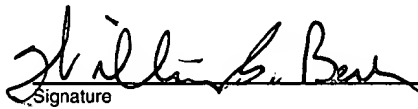
- ☒ Recorded in PTO on 09/22/00  
Reel 011109  
Frame 0375
- ☐ Recorded herewith

**ASSIGNEE CERTIFICATION**

Attached to this power is a "CERTIFICATE UNDER 37 CFR 3.73(b)."

9/5/04

Date

  
Signature

William G. Becker

(type or print name of person authorized to sign on behalf  
of assignee)

Deputy General Counsel  
for Intellectual Property

Title



Docket No.: 3COM-T1112.CIP  
Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Paul W. Sherer, Niles E. Strohl, Richard Hausman, Glenn W. Connery,  
Richard S. Reid, James P. Rivers and Cynthia Zikmund  
Serial No.: 09/488,942  
Filing Date: 01/21/00  
For: PROGRAMMED I/O, ETHERNET ADAPTER WITH EARLY INTERRUPTS F  
ACCELERATING DATA TRANSFER

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CERTIFICATE UNDER 37 CFR 3.73(b)

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3COM CORPORATION, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

☒ An assignment from the inventor(s) of the patent application identified above. A copy of the assignment is attached.

☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignees as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel: \_\_\_\_\_, Frame: \_\_\_\_\_, or for which a copy thereof  
is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel: \_\_\_\_\_, Frame: \_\_\_\_\_, or for which a copy thereof  
is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel: \_\_\_\_\_, Frame: \_\_\_\_\_, or for which a copy thereof  
is attached.

☐ Additional documents in the chain of title are listed on a  
supplemental sheet.

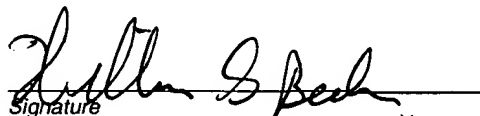
☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) avers that the undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

4/5/04  
Date

  
Signature

William G. Becker  
Typed or Printed Name

Deputy General Counsel for Intellectual Property  
Title



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

NOVEMBER 17, 2000

PTAS



\*101473861A\*

JOHN P. WAGNER, JR.  
WAGNER, MURABITO & HAO LLP  
TWO NORTH MARKET STREET  
THIRD FLOOR  
SAN JOSE, CA 95113

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

Technology Center 2100

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/22/2000

REEL/FRAME: 011109/0375  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SHERER, PAUL W.

DOC DATE: 08/24/2000

ASSIGNOR:  
STROHL, NILES E.

DOC DATE: 07/20/2000

ASSIGNOR:  
HAUSMAN, RICHARD

DOC DATE: 07/14/2000

ASSIGNOR:  
CONNERY, GLENN W.

DOC DATE: 07/20/2000

ASSIGNOR:  
REID, RICHARD S.

DOC DATE: 07/14/2000

ASSIGNOR:  
RIVERS, JAMES P.

DOC DATE: 08/24/2000

ASSIGNOR:  
ZIKMUND, CYNTHIA

DOC DATE: 07/20/2000



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NOV 30 2000

DOCKETED  
Date: 12-1-00  
Initials: D

WMH

011109/0375 PAGE 2

ASSIGNEE:

3COM CORPORATION  
5400 BAYFRONT PLAZA  
PO BOX 58145  
SANTA CLARA, CALIFORNIA 95052-8145

SERIAL NUMBER: 09488942  
PATENT NUMBER:

FILING DATE: 01/21/2000  
ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

09-28-2000

D 7



IN THE UNITED STATES



101473861

FFICE

J.: 3COM-T1112.CIP

I hereby declare that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231, on the below date of deposit.

Date of Deposit:	09/11/00	Name of Person Making the Deposit:	DESIREE CALDWELL	Signature of the Person Making the Deposit:	<i>Desiree Caldwell</i>
------------------	----------	------------------------------------	------------------	---	-------------------------

The Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Transmittal of an Assignment

1. Name of conveying party(ies): Paul W. Sherer, Niles E. Strohl, Richard Hausman, Glenn W. Connery, Richard S. Reid, James P. Rivers and Cynthia Zikmund  
Serial No.: 09/488,942  
Filed: 01/21/00  
Group Art Unit: 2768  
Examiner:

2. Name and Address of Receiving party(ies): 3Com Corporation  
5400 Bayfront Plaza, PO Box 58145  
Santa Clara, California 95052-8145

3. Nature of Conveyance: Assignment  
Execution Date: 08/24/00, 07/20/00, 07/14/00

4. New Patent Application entitled: PROGRAMMED I/O ETHERNET ADAPTER WITH EARLY INTERRUPTIONS FOR ACCELERATING DATA TRANSFER

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: John P. Wagner, Jr.  
Address: Wagner, Murabito & Hao LLP  
Two North Market Street, Third Floor, San Jose, CA 95113  
Phone: (408) 938-9060

6. Total Number of applications and patents involved: ONE

7. Fee Calculation (for other than a small entity)

Assignment Recordation Fee, per property

1 X \$40.00

**Total Fees** (37 CFR 3.41)

\$40.00

x The amount of \$ 40.00 is enclosed

8. At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed.

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date:

9/11/00

Name: John P. Wagner, Jr.  
Reg. No. 35,398

09/27/2000 GTON11 00000157 09488942

01 FC:581

40.00 OP

# Assignment to 3Com Corporation



In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Paul Sherer

do hereby sell, assign and transfer unto 3Com Corporation (hereinafter called 3Com), a Delaware Corporation having its principal place of business at 5400 Bayfront Plaza, PO Box 58145, Santa Clara, California 95052-8145, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

PROGRAMMED I/O ETHERNET ADAPTER WITH EARLY INTERRUPTIONS FOR ACCELERATING DATA TRANSFER

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; or

☒ Serial No.: 09/488,942 filed on 01/21/00 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore;

Further, I/we have agreed to assign to 3Com all inventions (except as otherwise limited by law) which relate to 3Com business and which were first conceived or actually reduced to practice during my/our employment by 3Com;

And for the above consideration, I/we agree promptly upon request of 3Com, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to 3Com, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by 3Com;

I/we further covenant with 3Com, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal.

Inventor's Signature: Paul Sherer

Date: Aug 24 2000

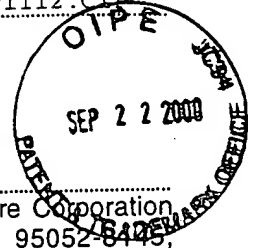
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# Assignment to 3Com Corporation



In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Glenn W. Connery

do hereby sell, assign and transfer unto 3Com Corporation (hereinafter called 3Com), a Delaware Corporation, having its principal place of business at 5400 Bayfront Plaza, PO Box 58145, Santa Clara, California 95052-8445, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

PROGRAMMED I/O ETHERNET ADAPTER WITH EARLY INTERRUPTIONS FOR ACCELERATING DATA TRANSFER

..... filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; or

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Further, I/we have agreed to assign to 3Com all inventions (except as otherwise limited by law) which relate to 3Com business and which were first conceived or actually reduced to practice during my/our employment by 3Com;

And for the above consideration, I/we agree promptly upon request of 3Com, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to 3Com, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by 3Com;

I/we further covenant with 3Com, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

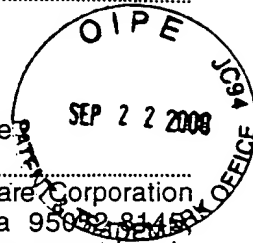
In witness whereof, I/we hereunto set my/our hand(s) and seal.

Inventor's Signature: x

Date: x 7-20-00

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APR 20 2004  
Technology Center 2100

# Assignment to 3Com Corporation



In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Richard S. Reid

do hereby sell, assign and transfer unto 3Com Corporation (hereinafter called 3Com), a Delaware Corporation having its principal place of business at 5400 Bayfront Plaza, PO Box 58145, Santa Clara, California 95052-8145, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

PROGRAMMED I/O ETHERNET ADAPTER WITH EARLY INTERRUPTIONS FOR ACCELERATING DATA TRANSFER

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I/we further covenant with 3Com, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal.

Inventor's Signature: x Richard S. Reid Date: x 7-14-00

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Date of Deposit:	09/11/00	Name of Person Making the Deposit:	DESIREE CALDWELL	Signature of the Person Making the Deposit:	<i>Desiree Caldwell</i>
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Washington, D.C. 20231

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Address: Wagner, Murabito & Hao LLP  
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Phone: (408) 938-9060

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Date:

9/11/00

Name: John P. Wagner, Jr.

Reg. No. 35,398